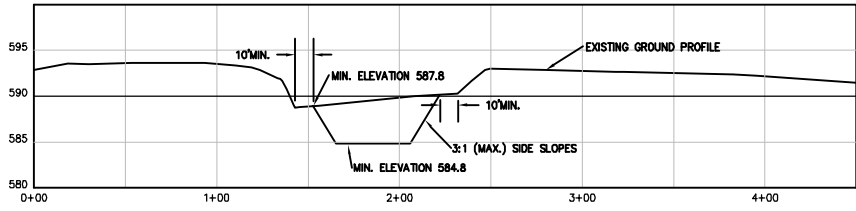
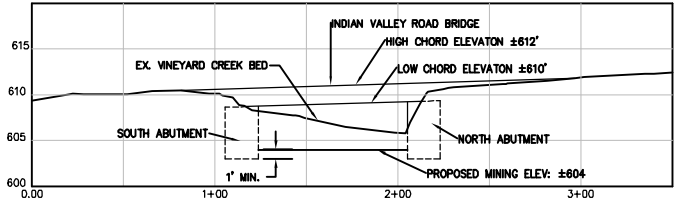


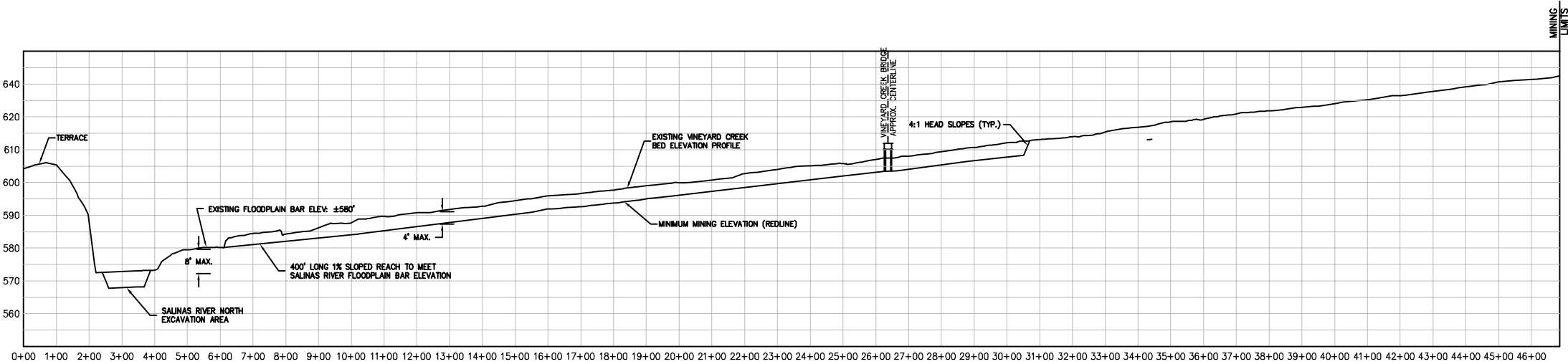
PRELIMINARY
FOR PERMIT REVIEW ONLY
NOT FOR CONSTRUCTION



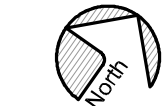
SECTION A - A'



SECTION B - B'



PROFILE



EXISTING CONTOURS ARE SHOWN AT 2 & 5 FOOT INTERVALS
ELEVATIONS ARE BASED ON NAVD 88 DATUM
COORDINATE BASIS: UTM UNIT 11
SURVEY DATA PROVIDED BY AERIAL PHOTOMAPPING SERVICES.
SURVEY DATED 10/19/2005, APS JOB# 25230

LEGEND

- SURVEY CONTROL POINT (CP)
- PROPOSED GROUNDWATER PIEZOMETER
- MINIMUM DESIGN CONTOUR ELEVATION
- FENCE
- POWER POLE

SURVEY CONTROL DATA

	NORTHING	EASTING	ELEVATION
CP #5	2480422.84	5760611.88	612.96
CP #95	2480416.24	5760708.00	615.76

EXCAVATION AREA DATA

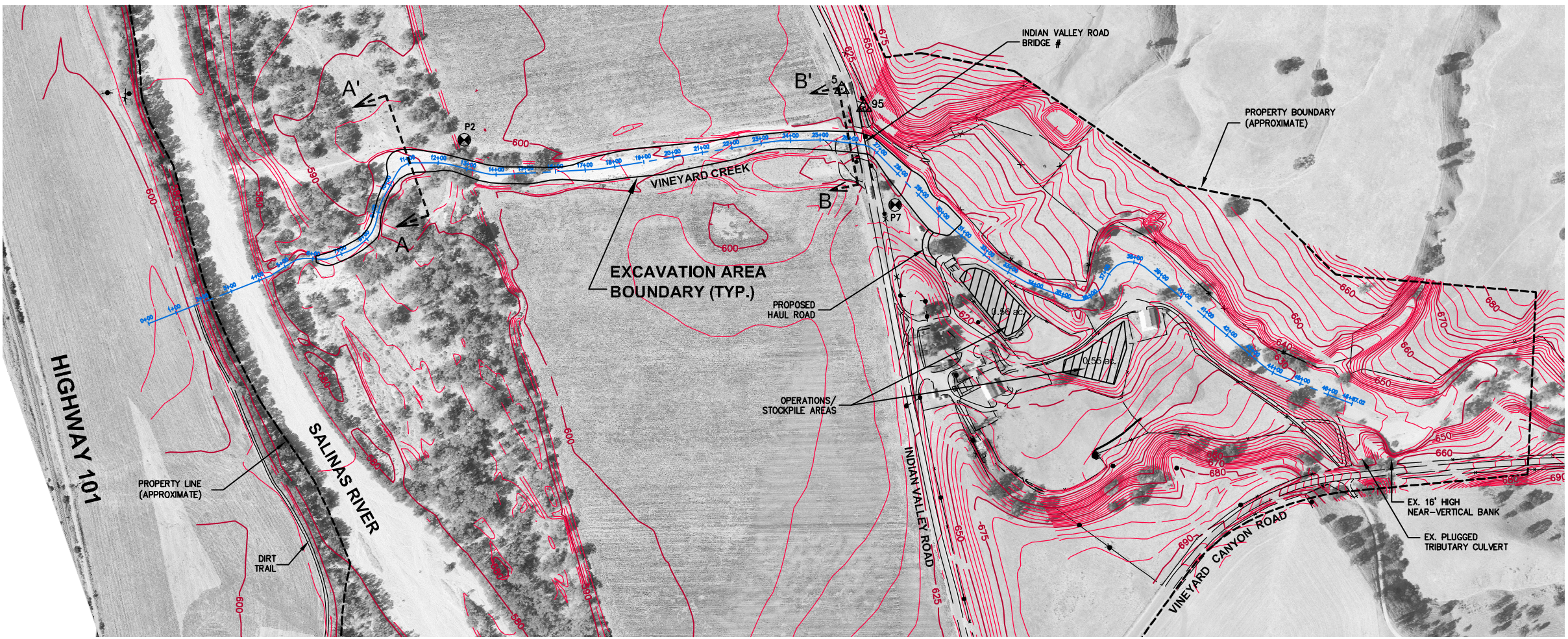
- SURFACE AREA WITHIN SHOWN EXCAVATION AREA LIMITS IS 3.66 ACRES.
- LENGTH OF SHOWN EXCAVATION AREA IS 2,460 LINEAL FT.
- MINIMUM DESIGN CONTOUR ELEVATIONS NOT SHOWN FOR CLARITY. REFER TO PROFILE VIEW FOR EXCAVATION DEPTH (REDLINE) CONDITION.

OPERATIONS AREA DATA

- SURFACE AREA WITHIN SHOWN OPERATIONS/STOCKPILE AREA IS 1.11 ACRES.
- SURFACE AREA WITHIN SHOWN ACCESS/HAUL ROAD(S) AREA IS 0.06 ACRES.

NOTES

- SHOWN EXCAVATION AREA LIMITS ARE ESTIMATED FROM AIR PHOTO AND TOPOGRAPHY DATA ON THIS SHEET, ACCORDING TO THESE PROPOSED SETBACKS AND MINING LIMITATIONS:
 - MIN. 25 FT HORIZ. SETBACK FROM PROPERTY LINES;
 - MIN. 10 FT HORIZ. SETBACK FROM TOES OF BANKS AND VEGETATED ISLANDS
 - OR-
 - MIN. 10 FT HORIZ. SETBACK FROM RIPARIAN TREE DRIPLINE (WHICHEVER IS MORE RESTRICTIVE);
 - MAX. 3:1 TRENCH SIDE SLOPES;
 - MAX. 4:1 TRENCH HEAD AND TAIL SLOPES;
 - MAX. 4 FT EXCAVATION BELOW EXISTING BED ELEVATION (REDLINE);
 - MIN. 1 FT VERT. SETBACK FROM PRESENT GROUNDWATER TABLE.
- SHOWN MINIMUM DESIGN ELEVATION CONTOURS ARE SHOWN ONLY ON THE BED OF MINING TRENCH FOR CLARITY.
 - SHOWN EXCAVATION AREA LIMITS AND MINIMUM DESIGN ELEVATION (REDLINE) CONTOURS ARE PRELIMINARY, FOR PERMIT REVIEW AND PROJECT PLANNING PURPOSES ONLY. NOT FOR CONSTRUCTION STAKING. SHOWN LIMITS AND (REDLINE) CONTOURS ARE SUBJECT TO CHANGE ACCORDING TO EXISTING SITE CONDITIONS AT THE ONSET OF MINING. ACTUAL LIMITS TO BE STAKED IN FIELD ACCORDING TO PERMITTED SETBACKS AND LIMITATIONS BY FIELD SURVEY FROM PERMANENT ESTABLISHED SURVEY BENCHMARKS PRIOR TO THE ONSET OF MINING, AND GROUNDWATER TABLE MONITORING. REFER TO THE ADAPTIVE MANAGEMENT MONITORING PLAN FOR MORE INFORMATION.
 - SPECIAL MINING INSTRUCTIONS APPLY AT THREE LOCATIONS IN THE VINEYARD CREEK EXCAVATION AREA:
 - A. DRAINAGE. EXCAVATE MIN. 8-FT WIDE MIN 2-FT DEEP MIN. 1% SLOPED PILOT CHANNEL FROM NEAR THE UPSTREAM TERMINUS OF THE EXCAVATION AREA TO THE OUTFALL OF THE VINEYARD CANYON RD CULVERT FOR RELIEVING CULVERT SEDIMENTATION CAUSED BY CURRENT AGGRAVATED VINEYARD CREEK CHANNEL CONDITIONS AND IMPROVING FREE DRAINAGE OF CULVERT DISCHARGES TO VINEYARD CREEK. FIT SIDE SLOPES TO FIELD CONDITIONS AND NOT TO EXCEED 2:1. CONFORM WITH IMPLEMENTATION OF EROSION CONTROL AT THE OUTFALL AND GRADED BANKS AS REQUIRED AND SUPPLIED BY COUNTY DPW.
 - B. CONVEYANCE. EXCAVATE VINEYARD CREEK BED IN VICINITY OF INDIAN VALLEY ROAD BRIDGE TO CONFORM WITH UNIFORM 804-FT WSL DESIGN BED ELEVATION WITHIN THE BRIDGE SECTION UPSPANNING FROM OUTSIDE ABUTMENTS AND IMPLEMENTATION OF EROSION CONTROL AS REQUIRED AND SUPPLIED BY COUNTY DPW. REFER TO AS-BUILT DRAWINGS OF THE BRIDGE PROVIDED BY COUNTY DPW TO ENSURE THAT DESIGN BED ELEVATION WITHIN THE BRIDGE SECTION IS NOT CLOSER THAN 1 VERT. FT FROM THE TOE OF THE ABUTMENT AND PIER FOOTINGS, OR AS DIRECTED BY COUNTY DPW.
 - C. CONFLUENCE. EXCAVATE VINEYARD CREEK BED NO STEEPER THAN 1% SLOPE BEGINNING AT LOCATION APPROX. 600 FT UPSTREAM FROM SALINAS RIVER BED AND ENDING AT LOCATION APPROX. 1,000 FT UPSTREAM FROM SALINAS RIVER BED. SHOWN FOR REDLINED CONDITIONS. A 400-FT LONG 1% SLOPED DOWNSTREAM VINEYARD CREEK BED DESIGN PROFILE MATCHES BETWEEN EXISTING APPROX. 580-FT VINEYARD CREEK BED ELEVATION WITHIN THE SALINAS RIVER FLOODPLAIN BAR SURFACE AREA AT LOCATION APPROX. 600 FT UPSTREAM FROM SALINAS RIVER BED AND THE APPROX. 584-FT DESIGN MINIMUM BED ELEVATION ON VINEYARD CREEK AT LOCATION APPROX. 1,000 FT UPSTREAM, AT THE INVERT OF A 4-FT DEEP TRENCH.



PANKEY
SAND AND GRAVEL MINING PROJECT
SALINAS RIVER AND VINEYARD CREEK
1444 INDIAN VALLEY ROAD, SAN MIGUEL CALIFORNIA
APN: 027-420-001, 002, 003, 005, 009, 010, AND 016

PROJECT INFORMATION:

SHEET TITLE:

VINEYARD CREEK
EXCAVATION
AREA

JOB NO.:

PANKEY-SALINAS

C-4